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* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page for STN Seminar Schedule - N. America
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 NEWS 3 JUN 01 CAS REGISTRY Source of Registration (SR) searching
 enhanced on STN
 NEWS 4 JUN 26 NUTRACEUT and PHARMAML no longer updated
 NEWS 5 JUN 29 IMSCOPROFILE now reloaded monthly
 NEWS 6 JUN 29 EPFULL adds Simultaneous Left and Right Truncation
 (SLART) to AB, MCLM, and TI fields
 NEWS 7 JUL 09 PATDPAFULL adds Simultaneous Left and Right
 Truncation (SLART) to AB, CLM, MCLM, and TI fields
 NEWS 8 JUL 14 USGENE enhances coverage of patent sequence location
 (PSL) data
 NEWS 9 JUL 27 CA/Caplus enhanced with new citing references
 NEWS 10 JUL 16 GBFULL adds patent backfile data to 1855
 NEWS 11 JUL 21 USGENE adds bibliographic and sequence information
 NEWS 12 JUL 28 EPFULL adds first-page images and applicant-cited
 references
 NEWS 13 JUL 28 INPADOCDB and INPAFAMDB add Russian legal status data
 NEWS 14 AUG 10 Time limit for inactive STN sessions doubles to 40
 minutes
 NEWS 15 AUG 18 COMPENDEX indexing changed for the Corporate Source
 (CS) field
 NEWS 16 AUG 24 ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced
 NEWS 17 AUG 24 CA/Caplus enhanced with legal status information for
 U.S. patents
 NEWS 18 SEP 09 50 Millionth Unique Chemical Substance Recorded in
 CAS REGISTRY

NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,
 AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

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10/598,330

and other penalties.

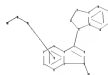
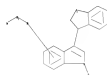
***** STN Columbus *****

FILE 'HOME' ENTERED AT 14:58:56 ON 09 SEP 2009

=> file reg

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Uploading C:\Program Files\Stnexp\Queries\10598330.str



```
chain nodes :
19 20 21 22 23 24 25 26 27 28 29 43 44 45 46
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
chain bonds :
7-10 9-43 19-20 21-22 23-24 25-26 27-28 28-29 44-45 45-46
ring bonds :
1-2 1-6 2-3 3-4 4-5 4-7 5-6 5-9 7-8 8-9 10-11 10-14 11-12 12-13 13-14
13-15 14-18 15-16 16-17 17-18
exact/norm bonds :
4-7 5-9 7-8 7-10 8-9 9-43 10-11 10-14 11-12 12-13 19-20 21-22 23-24
25-26 27-28 28-29 44-45 45-46
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 13-14 13-15 14-18 15-16 16-17 17-18
isolated ring systems :
containing 1 : 10 :
```

10/598,330

G1:CH2, [*1-*2], [*3-*4], [*5-*6], [*7-*8], [*9-*10]

G2:H,Ak

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:CLASS
20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS
28:CLASS 29:CLASS 43:CLASS 44:CLASS 45:CLASS 46:CLASS 47:Atom

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sam

SAMPLE SEARCH INITIATED 15:00:06 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 88 TO ITERATE

100.0% PROCESSED 88 ITERATIONS

5 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 1198 TO 2322

PROJECTED ANSWERS: 5 TO 234

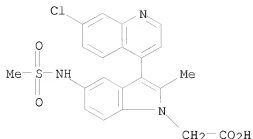
L2 5 SEA SSS SAM L1

=> d scan

L2 5 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN

IN 1H-Indole-1-acetic acid, 3-(7-chloro-4-quinolinyl)-2-methyl-5-
[(methylsulfonyl)amino]-

MF C21 H18 Cl N3 O4 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):end

=> s l1 full

FULL SEARCH INITIATED 15:00:14 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 1752 TO ITERATE

100.0% PROCESSED 1752 ITERATIONS

55 ANSWERS

SEARCH TIME: 00.00.01

L3 55 SEA SSS FUL L1

=> file ca

=> s l3

L4 3 L3

=> d ibib abs fhitr 1-3

L4 ANSWER 1 OF 3 CA COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 143:347052 CA

TITLE: Bicyclic substituted indole derivatives as steroid hormone nuclear receptor modulators, their preparation, pharmaceutical compositions, and use in therapy

INVENTOR(S): Gavardinas, Konstantinos; Jadhav, Prabhakar Kondaji; Wang, Minmin

PATENT ASSIGNEE(S): Eli Lilly and Company, USA

SOURCE: PCT Int. Appl., 92 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005092854	A1	20051006	WO 2005-US5240	20050218
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,				

GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2005226759 A1 20051006 AU 2005-226759 20050218
 CA 2557745 A1 20051006 CA 2005-2557745 20050218
 EP 1723105 A1 20061122 EP 2005-723294 20050218
 R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR
 CN 1926104 A 20070307 CN 2005-80006709 20050218
 BR 2005007657 A 20070710 BR 2005-7657 20050218
 JP 2007526304 T 20070913 JP 2007-501817 20050218
 IN 2006KN02239 A 20070525 IN 2006-KN2239 20060808
 US 20070185161 A1 20070809 US 2006-598330 20060824
 MX 2006009953 A 20061116 MX 2006-9953 20060831

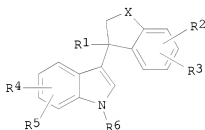
PRIORITY APPLN. INFO.:

US 2004-549754P P 20040303
 WO 2005-US5240 W 20050218

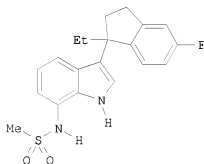
OTHER SOURCE(S):

CASREACT 143:347052; MARPAT 143:347052

GI



I



II

AB The invention relates to indole derivs. of formula I, which are modulators of steroid hormone nuclear receptors. In compds. I, X is CH₂, (CH₂)₂,

(CH₂)₃, CH₂O, CH₂S, or (un)substituted CH₂N; R₁ is H, C1-4 alkyl, C3-7 cycloalkyl, hydroxy-C1-4 alkyl, halo-C1-4 alkyl, etc.; R₂ and R₃ are independently selected from H, halo, C1-4 alkyl, or (un)substituted heterocyclyl; R₄ is H, halo, amino, nitro, C1-4 alkyl, C1-4 alkoxy, sulfonylamino, carbonylamino, C1-4 alkylcarbonyl, and C1-4 alkoxy carbonyl; R₅ is H or halo; and R₆ is H or C1-4 alkyl; including pharmaceutically acceptable salts thereof. The invention also relates to the preparation of I, pharmaceutical compns. containing compound I in combination with a pharmaceutically acceptable carrier, diluent, or excipient, as well as to the use of the compns. for treatment of physiolo. disorders, particularly congestive heart disease, hypertension, and atherosclerosis. Addition of ethylmagnesium bromide to 5-fluoroindan-1-one followed by condensation with N-(1H-indol-7-yl)methanesulfonamide (preparation in 2 steps from 7-nitroindole given) resulted in the formation of indanylindole derivative II. The two enantiomers of II were separated by chiral HPLC. Most of the compds. of the invention, including compound II and its enantiomers, express high affinity for mineralocorticoid and glucocorticoid receptors, with values for K_i ≤ 500 nM.

IT 865719-16-0P, (R)-N-[3-(1-Ethyl-5-fluoroindan-1-yl)-1H-indol-7-yl]methanesulfonamide

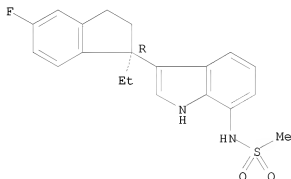
RL: PAC (Pharmacological activity); PUR (Purification or recovery); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(chiral drug candidate; preparation of bicyclic indole derivs. as steroid hormone nuclear receptor modulators)

RN 865719-16-0 CA

CN Methanesulfonamide, N-[3-[(1R)-1-ethyl-5-fluoro-2,3-dihydro-1H-inden-1-yl]-1H-indol-7-yl]- (CA INDEX NAME)

Absolute stereochemistry.



OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 3 CA COPYRIGHT 2009 ACS on STN

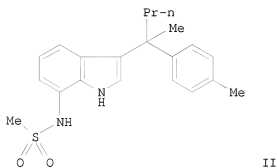
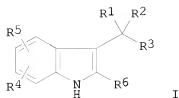
ACCESSION NUMBER: 141:190682 CA

TITLE: Preparation of indole-derived modulators of steroid hormone nuclear receptors

INVENTOR(S): Bell, Michael Gregory; Gavardinas, Konstantinos; Gernert, Douglas Linn; Grese, Timothy Alan; Jadhav,

Prabhakar Kondaji; Lander, Peter Ambrose; Steinberg,
 Mitchell Irvin
 PATENT ASSIGNEE(S): Eli Lilly and Company, USA
 SOURCE: PCT Int. Appl., 243 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004067529	A1	20040812	WO 2004-US17	20040120
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI				
AU 2004207740	A1	20040812	AU 2004-207740	20040120
CA 2511806	A1	20040812	CA 2004-2511806	20040120
EP 1597254	A1	20051123	EP 2004-703558	20040120
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2004006883	A	20060103	BR 2004-6883	20040120
CN 1742007	A	20060301	CN 2004-80002685	20040120
JP 2007500253	T	20070111	JP 2006-536489	20040120
US 20060235222	A1	20061019	US 2005-542621	20050715
MX 2005007857	A	20051018	MX 2005-7857	20050722
IN 2005KN01428	A	20070622	IN 2005-KN1428	20050722
PRIORITY APPLN. INFO.:			US 2003-441947P	P 20030122
			WO 2004-US17	W 20040120
OTHER SOURCE(S):	MARPAT 141:190682			
GI				



AB Title compds. I [R1 = cycloalkyl, alkynyl, aryl, etc.; R2 = alkyl, cycloalkyl, aryl, etc.; R3 = alkyl, haloalkyl, cycloalkyl, etc.; R4 = H, halo, OH, amino, etc.; R5 = H, halo, OH, amino, etc.; R6 = H, halo, alkyl, etc.] are prepared For instance, N-(1H-indol-7-yl)methanesulfonamide is reacted with the appropriate carbinol (CH₂Cl₂, TFA) to give II. II has K_i < 500 nM for the mineralocorticoid and glucocorticoid receptor. I are useful for treating, e.g., congestive heart disease.

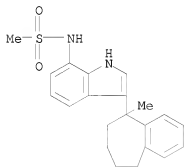
IT 737802-90-3P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(indole-derivative modulators of steroid hormone nuclear receptors)

RN 737802-90-3 CA

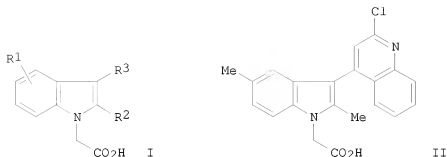
CN Methanesulfonamide, N-[3-(6,7,8,9-tetrahydro-5-methyl-5H-benzocyclohepten-5-yl)-1H-indol-7-yl]- (CA INDEX NAME)



OS.CITING REF COUNT: 9 THERE ARE 9 CAPLUS RECORDS THAT CITE THIS RECORD
(15 CITINGS)
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 3 CA COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 140:16644 CA
TITLE: Preparation of indolylacetic acid derivatives to treat
diseases mediated by prostaglandin D2
INVENTOR(S): Birkinshaw, Timothy; Bonnert, Roger; Cook, Anthony;
Rasul, Rukhsana; Sangane, Hitesh; Teague, Simon
PATENT ASSIGNEE(S): Astrazeneca AB, Swed.
SOURCE: PCT Int. Appl., '74 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003101981	A1	20031211	WO 2003-SE855	20030527
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2003232712	A1	20031219	AU 2003-232712	20030527
EP 1549634	A1	20050706	EP 2003-756137	20030527
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
JP 2005534646	T	20051117	JP 2004-509672	20030527
US 20050222201	A1	20051006	US 2004-516165	20041130
PRIORITY APPLN. INFO.:			SE 2002-1636	A 20020530
			SE 2002-3822	A 20021220
			WO 2003-SE855	W 20030527
OTHER SOURCE(S):	MARPAT 140:16644			
GI				



AB Title compds. I [R1 = H, halo, CN, NO2, sulfonyl, OH, alkoxy, etc.; R2 = H, halo, CN, sulfonyl, carboxamido, CH2OH, etc.; R3 = (un)substituted (hetero)aryl] are prepared. For instance, 2,5-dimethylindole is reacted with 4,7-dichloroquinoline (PhMe/THF, EtMgBr) and the resulting indole alkylated with Et bromoacetate (THF, NaH) and saponified to give II. Example compds. have IC50 < 10 μ M for the rhCRTh2 receptor. I are useful in the treatment of respiratory disorders.

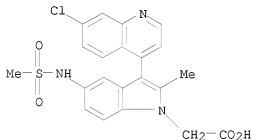
IT 629644-69-5P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of indolylacetic acid derivs. to treat diseases mediated by prostaglandin D2)

RN 629644-69-5 CA

CN 1H-Indole-1-acetic acid, 3-(7-chloro-4-quinolinyl)-2-methyl-5-[(methylsulfonyl)amino]- (CA INDEX NAME)



OS.CITING REF COUNT: 10 THERE ARE 10 CAPLUS RECORDS THAT CITE THIS RECORD (10 CITINGS)

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file marpat

The new MARPAT User Guide is now available at:
<http://www.cas.org/support/stngen/stndoc/marpat.html>.

=> s ll full

FULL SEARCH INITIATED 15:02:03 FILE 'MARPAT'

FULL SCREEN SEARCH COMPLETED - 16699 TO ITERATE

100.0% PROCESSED 16699 ITERATIONS
SEARCH TIME: 00.00.09

6 ANSWERS

L5 6 SEA SSS FUL L1

=> d ibib abs fqhit 1-6

L5 ANSWER 1 OF 6 MARPAT COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 147:522266 MARPAT

TITLE: Aminopyrazolopyrimidines and related compounds useful for inhibition of alpha-synuclein toxicity and their preparation

INVENTOR(S): Lindquist, Susan L.; Outeiro, Tiago; Labaudiniere, Richard; Fleming, James; Bulawa, Christine Ellen; Weigel, Charlotte; Liang, Feng; Gupta, Sandeep; Ripka, Amy

PATENT ASSIGNEE(S): Foldrx Pharmaceuticals, Inc., USA; Whitehead Institute for Biomedical Research

SOURCE: PCT Int. Appl., 133 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

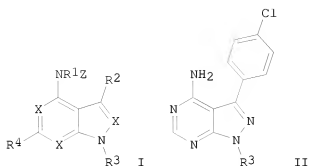
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007126841	A2	20071108	WO 2007-US7607	20070329
WO 2007126841	A3	20081106		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA			
AU 2007245129	A1	20071108	AU 2007-245129	20070329
CA 2647543	A1	20071108	CA 2007-2647543	20070329
EP 2007373	A2	20081231	EP 2007-754168	20070329
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, RS			
JP 2009531443	T	20090903	JP 2009-502960	20070329
CN 101460161	A	20090617	CN 2007-80020299	20081201
PRIORITY APPLN. INFO.:			US 2006-787113P	20060329
			WO 2007-US7607	20070329

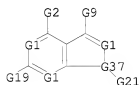
OTHER SOURCE(S): CASREACT 147:522266

GI



AB Compds. of formula I and compns. are provided for treatment or amelioration of one or more symptoms of α -synuclein toxicity, α -synuclein mediated diseases or diseases in which α -synuclein fibrils are a symptom or cause of the disease. Compds. of formula I wherein each X is independently C and CH; R1 and Z are independently H, CHO, acyl, CO₂H and derivs., SOH and derivs., SO₂H and derivs., etc.; R2 and R3 are independently H, halo, CN, SH and derivs., OH, and derivs., NH₂ and derivs., CO₂H and derivs., CONH₂ and derivs., etc.; R4 is H, halo, CN, SH and derivs., OH and derivs., NH₂ and derivs., NO₂, CO₂H and derivs., etc.; and their pharmaceutically acceptable salts thereof, are claimed. Example compound II was prepared by cyclization of 5-amino-1H-pyrazole-4-carbonitrile with formamide; the resulting 4-amino-1H-pyrazolo[3,4-d]pyrimidine underwent iodination to give 4-amino-3-iodo-1H-pyrazolo[3,4-d]pyrimidine, which underwent N-alkylation with cyclopropanemethanol to give 4-amino-1-cyclopropyl-3-iodopyrazolo[3,4-d]pyrimidine, which underwent cross-coupling with 4-chlorophenylboronic acid to give compound II. All the invention compds. were evaluated for their α -synuclein toxicity inhibitory activity. From the assay, it was determined that the tested compds. exhibited MRC of less than about 300 μ M.

MSTR 1



G1 = CH
 G9 = 33 / 54 / 72 / 73 / naphthyl (opt. substd.)

₃₃G10-G11 ₅₄G15-G16 ₇₂G17-G15-G16 ₇₃G17-G18

G11 = alkyl <containing 1-20 C> (opt. substd.)
 G15 = SO₂
 G17 = NH
 G18 = 80

G15-G11
80

G19 = 89 / 104 / 115 / 116

G10-G11 G15-G16 G17-G15-G16 G17-G18
89 104 115 116

G21 = 124 / 139 / 150 / 151

G10-G11 G15-G16 G17-G15-G16 G17-G18
124 139 150 151

G37 = N

Patent location:

claim 1

Note:

or pharmaceutically acceptable salts or derivatives

L5 ANSWER 2 OF 6 MARPAT COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 147:235009 MARPAT

TITLE: Preparation of indole sulfonamides as modulators of progesterone receptors

INVENTOR(S): Bleisch, Thomas John; Clarke, Christian Alexander; Dodge, Jeffrey Alan; Jones, Scott Alan; Lopez, Jose Eduardo; Lugar, Charles Willis, III; Muehl, Brian Stephen; Richardson, Timothy Ivo; Yee, Ying Kwong; Yu, Kuo-Long

PATENT ASSIGNEE(S): Eli Lilly and Company, USA

SOURCE: PCT Int. Appl., 77 pp.

CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

English

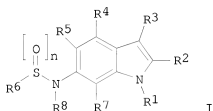
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

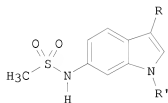
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007087488	A2	20070802	WO 2007-US60626	20070117
WO 2007087488	A3	20070913		
WO 2007087488	A9	20080828		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA				
AA 2007208109	A1	20070802	AA 2007-208109	20070117

CA 2637933	A1	20070802	CA 2007-2637933	20070117
EP 1979314	A2	20081015	EP 2007-762618	20070117
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, RS				
JP 2009526762	T	20090723	JP 2008-552526	20070117
US 20090069400	A1	20090312	US 2008-160460	20080710
KR 2008088609	A	20081002	KR 2008-718146	20080723
CN 101374808	A	20090225	CN 2007-80003330	20080723
MX 2008009543	A	20080805	MX 2008-9543	20080724
IN 2008KN03044	A	20090417	IN 2008-KN3044	20080728
NO 2008003553	A	20081020	NO 2008-3553	20080814
PRIORITY APPLN. INFO.:			US 2006-761637P	20060124
			WO 2007-US60626	20070117

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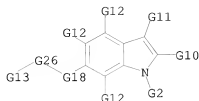
I



II

AB Title compds. I [$n = 1, 2$; R_1 = alkyl, alkenyl, alkynyl, etc.; $R_2 = H$, halo, -CN, etc.; $R_3 =$ aryl, heteroaryl, bicyclic heteroaryl (wherein aryl, heteroaryl and bicyclic heteroaryl are optionally substituted with halo, -CN, -OH, etc.); $R_4, R_5, R_7 = H$, halo, -OH, etc.; $R_6 =$ alkyl, haloalkyl, alkenyl, etc.; $R_8 = H$, alkyl] and their pharmaceutically acceptable salts were prepared. For example, Pd(PPh₃)₄ catalyzed coupling reaction of N-[1-isopropyl-3-(4,4,5,5-tetramethyl-[1,3,2]dioxaborolan-2-yl)-1H-indol-6-yl]methanesulfonamide, e.g., prepared from 6-nitroindole in 6 steps, with 2-bromo-5-chlorothiophene afforded compound II [$R = 5$ -chlorothiophen-2-yl; $R' =$ isopropyl]. In progesterone receptor (PR) binding assays, compound II [$R = 4$ -cyanophenyl; $R' =$ methyl] exhibited the K_i value of <50 nM. Compds. I are claimed useful for the treatment of leiomyomas, endometriosis, etc.

MSTR 1



G2 = alkyl <containing 1-8 C>

G11 = quinolinyl

G13 = Me

G18 = NH

G26 = SO2

Patent location:

claim 1

Note: additional oxo formation also claimed

Note: or pharmaceutically acceptable salts

L5 ANSWER 3 OF 6 MARPAT COPYRIGHT 2009 ACS ON SIN

ACCESSION NUMBER: 145:103547 MARPAT

TITLE: Preparation of indole derivatives for treating
Mycobacterium tuberculosis

INVENTOR(S): Hulikal, Vijaykumar; Rao, Kudur Rangantha

PATENT ASSIGNEE(S): Astrazeneca AB, Swed.; Astrazeneca UK Limited

SOURCE: PCT Int. Appl., 66 pp.

CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

English

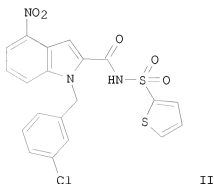
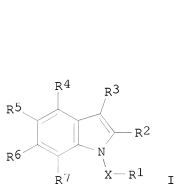
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006067392	A2	20060629	WO 2005-GB4876	20051216
WO 2006067392	A3	20070308		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
IN 2005DE03361	A	20080104	IN 2005-DE3361	20051214
CN 101087781	A	20071212	CN 2005-80044401	20051216
EP 1904487	A2	20080402	EP 2005-818623	20051216
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				
JP 2008525394	T	20080717	JP 2007-547617	20051216
PRIORITY APPLN. INFO.:			GB 2004-28173	20041223

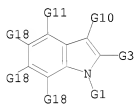
OTHER SOURCE(S):
GI

CASREACT 145:103547



AB The title compds. I [X = a bond, CH₂; R₁ = H, alkyl (un)substituted aryl, heteroaryl; R₂ = CO₂H, CN, C(O)CH₂OH, etc.; R₃ = H, halo, alkyl, etc.; R₄ = NO₂, NHR₁₄, NHCOR₁₅, etc. (wherein R₁₄ = H, alkyl, (un)substituted aryl, heterocyclyl; R₁₅ = (un)substituted alkyl, aryl, heterocyclyl); R₅-R₇ = H, halo, a functional group, etc.], useful in the manufacture of a medicament for the treatment of Mycobacterium tuberculosis (M.tb), were prepared Thus, reacting 1-(3-chlorobenzyl)-4-nitro-1H-indole-2-carboxylic acid with thiophene-2-sulfonamide afforded 65% II. All the exemplified compds. I have an IC₅₀ of <50 μM when tested in the enzyme assay. Pharmaceutical composition comprising the compound I is disclosed.

MSTR 1



G10 = naphthyl
G11 = 72

HN—SO₂-G14
72

G14 = alkyl <containing 1-10 C>
Patent location: claim 1
Note: or pharmaceutically acceptable salts or in vivo
hydrolysable esters

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 6 MARPAT COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 143:347052 MARPAT

TITLE: Bicyclic substituted indole derivatives as steroid hormone nuclear receptor modulators, their preparation, pharmaceutical compositions, and use in therapy

INVENTOR(S): Gavardinas, Konstantinos; Jadhav, Prabhakar Kondaji; Wang, Minmin

PATENT ASSIGNEE(S): Eli Lilly and Company, USA

SOURCE: PCT Int. Appl., 92 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

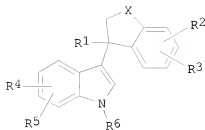
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PATENT INFORMATION:

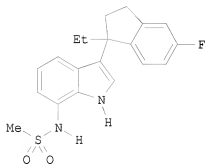
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005092854	A1	20051006	WO 2005-US5240	20050218
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RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2005226759	A1	20051006	AU 2005-226759	20050218
CA 2557745	A1	20051006	CA 2005-2557745	20050218
EP 1723105	A1	20061122	EP 2005-723294	20050218
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR			
CN 1926104	A	20070307	CN 2005-80006709	20050218
BR 2005007657	A	20070710	BR 2005-7657	20050218
JP 2007526304	T	20070913	JP 2007-501817	20050218
IN 2006KN02239	A	20070525	IN 2006-KN2239	20060808
US 20070185161	A1	20070809	US 2006-598330	20060824
MX 2006009953	A	20061116	MX 2006-9953	20060831
PRIORITY APPLN. INFO.:			US 2004-549754P	20040303
			WO 2005-US5240	20050218

OTHER SOURCE(S): CASREACT 143:347052

GI



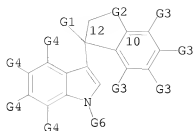
I



II

AB The invention relates to indole derivs. of formula I, which are modulators of steroid hormone nuclear receptors. In compds. I, X is CH₂, (CH₂)₂, (CH₂)₃, CH₂O, CH₂S, or (un)substituted CH₂N; R₁ is H, C1-4 alkyl, C3-7 cycloalkyl, hydroxy-C1-4 alkyl, halo-C1-4 alkyl, etc.; R₂ and R₃ are independently selected from H, halo, C1-4 alkyl, or (un)substituted heterocyclyl; R₄ is H, halo, amino, nitro, C1-4 alkyl, C1-4 alkoxy, sulfonylamino, carbonylamino, C1-4 alkylcarbonyl, and C1-4 alkoxy carbonyl; R₅ is H or halo; and R₆ is H or C1-4 alkyl; including pharmaceutically acceptable salts thereof. The invention also relates to the preparation of I, pharmaceutical compns. containing compound I in combination with a pharmaceutically acceptable carrier, diluent, or excipient, as well as to the use of the compns. for treatment of physiol. disorders, particularly congestive heart disease, hypertension, and atherosclerosis. Addition of ethylmagnesium bromide to 5-fluoroindan-1-one followed by condensation with N-(1H-indol-7-yl)methanesulfonamide (preparation in 2 steps from 7-nitroindole given) resulted in the formation of indanylindole derivative II. The two enantiomers of II were separated by chiral HPLC. Most of the compds. of the invention, including compound II and its enantiomers, express high affinity for mineralocorticoid and glucocorticoid receptors, with values for K_i ≤ 500 nM.

MSTR 1



G2 = CH2

G4 = 41

$$\text{HN} \begin{array}{c} \text{SO}_2 \text{---} \text{G}' \\ \text{41} \end{array}$$

G7 = Me

Patent location:

Note:

Note:

claim 1

or pharmaceutically acceptable salts

substitution is restricted

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 5 OF 6 MARPAT COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 140:16644 MARPAT

TITLE: Preparation of indolylacetic acid derivatives to treat diseases mediated by prostaglandin D2

INVENTOR(S): Birkinshaw, Timothy; Bonnert, Roger; Cook, Anthony; Rasul, Rukhsana; Sangane, Hitesh; Teague, Simon

PATENT ASSIGNEE(S): Astrazeneca AB, Swed.

SOURCE: PCT Int. Appl., '74 pp.

CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

English

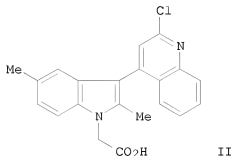
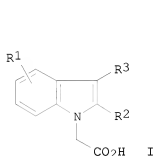
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003101981	A1	20031211	WO 2003-SE855	20030527
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
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AU 2003232712	A1	20031219	AU 2003-232712	20030527
EP 1549634	A1	20050706	EP 2003-756137	20030527
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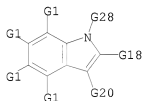
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
 JP 2005534646 T 20051117 JP 2004-509672 20030527
 US 20050222201 A1 20051006 US 2004-516165 20041130
 PRIORITY APPLN. INFO.: SE 2002-1636 20020530
 SE 2002-3822 20021220
 WO 2003-SE855 20030527

GI



AB Title compds. I [R1 = H, halo, CN, NO2, sulfonyl, OH, alkoxy, etc.; R2 = H, halo, CN, sulfonyl, carboxamido, CH2OH, etc.; R3 = (un)substituted (hetero)aryl] are prepared. For instance, 2,5-dimethylindole is reacted with 4,7-dichloroquinoline (PhMe/THF, EtMgBr) and the resulting indole alkylated with Et bromoacetate (THF, NaH) and saponified to give II. Example compds. have IC50 < 10 μ M for the rhCRTh2 receptor. I are useful in the treatment of respiratory disorders.

MSTR 1



G1 = 47



G3 = alkyl <containing 1-6 C> (opt. substd.)

G6 = SO2

G20 = quinolinyl (opt. substd.)

Patent location: claim 1

Note: or pharmaceutically acceptable salts or solvates
 Note: also incorporates claim 12, structure II
 Note: substitution is restricted

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 6 OF 6 MARPAT COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 129:27933 MARPAT

TITLE: Aryl and heteroaryl substituted fused pyrrole
 antiinflammatory agents

INVENTOR(S): Zablocki, Jeffery A.; Tarlton, Eugene, Jr.; Rizzi,
 James P.; Mantlo, Nathan B.

PATENT ASSIGNEE(S): Amgen Inc., USA; Zablocki, Jeffery A.; Tarlton,
 Eugene, Jr.; Rizzi, James P.; Mantlo, Nathan B.

SOURCE: PCI Int. Appl., 258 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

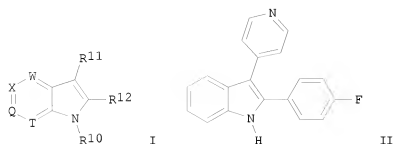
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9822457	A1	19980528	WO 1997-US21344	19971118
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW				
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CA 2271767	A1	19980528	CA 1997-2271767	19971118
AU 9852659	A	19980610	AU 1998-52659	19971118
AU 734841	B2	20010621		
EP 948495	A1	19991013	EP 1997-947617	19971118
EP 948495	B1	20040414		
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CN 1246856	A	20000308	CN 1997-181372	19971118
HU 9903330	A2	20000328	HU 1999-3330	19971118
JP 2001506980	T	20010529	JP 1998-523914	19971118
AT 264318	T	20040415	AT 1997-947617	19971118
ES 2215242	T3	20041001	ES 1997-947617	19971118
MX 9904598	A	20000228	MX 1999-4598	19990518
KR 2000057137	A	20000915	KR 1999-704405	19990519
US 6180643	B1	20010130	US 1999-269600	19990608
US 6440973	B1	20020827	US 2000-644102	20000823
US 20030096819	A1	20030522	US 2002-175182	20020618
US 6605634	B2	20030812		
PRIORITY APPLN. INFO.:			US 1996-31207P	19961119
			WO 1997-US21344	19971118
			US 1999-269600	19990608
			US 2000-644102	20000823

GI



AB The invention comprises a new class of novel aryl- and heteroaryl-substituted fused pyrrole compds. I [W, X, Q, T = N, CH, CR1-4; R1-4 = -Z-Y with provisos; Z = bond, alk(ane/ene/yne)diyl, heterocyclediyl, (hetero)arylene; Y = H (when Z ≠ bond), halo, cyano, NO₂, various acyl, (un)substituted OH, SH, or NH₂; R10 = H, (un)substituted alk(en/yn)yl, various acyl or sulfonyl groups; R11, R12 = (un)substituted (hetero)aryl]. The compds. are useful for the prophylaxis and treatment of diseases or conditions mediated by TNF- α , IL-1 β , IL-6 and/or IL-8, and other maladies, such as pain and diabetes. In particular, the compds. are useful for prophylaxis and treatment of inflammatory diseases or conditions. The invention also comprises pharmaceutical compns., methods of prophylaxis and treatment, use of compds. and compns., and intermediates and preparatory processes. For instance, amidation of 4-(2-aminobenzoyl)pyridine with 4-fluorobenzoyl chloride, and cyclization of the resultant keto amide using low-valent Ti from K/graphite/TiCl₃, gave title compound II. This compound inhibited cyclooxygenase in vitro with an IC₅₀ of $\leq 5 \mu\text{M}$.

MSTR 1



G1 = 8-2 9-4

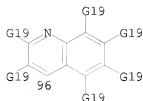


G2 = 41



G4 = 96

10/598,330



G21 = 121

HN—SO₂—G28
121

G28 = Me

Derivative:

Patent location:

Note:

or pharmaceutically acceptable salts

claim 1

substitution is restricted

REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 14:58:56 ON 09 SEP 2009)

FILE 'REGISTRY' ENTERED AT 14:59:47 ON 09 SEP 2009

L1 STRUCTURE UPLOADED

L2 5 S L1 SAM

L3 55 S L1 FULL

FILE 'CA' ENTERED AT 15:00:16 ON 09 SEP 2009

L4 3 S L3

FILE 'MARPAT' ENTERED AT 15:02:01 ON 09 SEP 2009

L5 6 S L1 FULL

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